

INTERNATIONAL SEARCH REPORT

International Application No.

PCT/CH 03/00580

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 H01J37/34 C23C14/34

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 H01J C23C

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	WO 92 17622 A (TOSOH SMD INC) 15 October 1992 (1992-10-15) page 5, line 9 - line 18 page 7, line 1 - page 9, line 19; figures	1-3, 8-11, 17-19, 22
A	US 4 209 375 A (GATES WILLARD G ET AL) 24 June 1980 (1980-06-24) the whole document	1-4, 9-11, 13, 17-20, 22
A	DE 40 15 388 A (LEYBOLD AG) 21 November 1991 (1991-11-21) cited in the application the whole document	1, 9, 17

☐ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

* Special categories of cited documents:

A document defining the general state of the art which is not considered to be of particular relevance

E earlier document but published on or after the international filing date

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O document referring to an oral disclosure, use, exhibition or other means

P document published prior to the international filing date but later than the priority date claimed

T later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

Y document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

Z document member of the same patent family

Date of the actual completion of the international search

13 January 2004

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21/01/2004

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(on patent family members)

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Patent document cited in search report		Publication date	Patent family member(s)	Publication date
WO 9217622	A	15-10-1992	WO 9217622 A1	15-10-1992
US 4209375	A	24-06-1980	NONE	
DE 4015388	A	21-11-1991	DE 4015388 A1	21-11-1991
			EP 0456891 A1	21-11-1991
			JP 4228565 A	18-08-1992
			US 5071535 A	10-12-1991